

The U.S. Climate Change Science Program



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Science Program

The President's Global Climate Change Initiative

(February 2002)

GOALS:

- Reduce the Greenhouse Gas Intensity of the U.S. Economy by 18% in the Next Ten Years
- Substantially Improve the Emission CO₂ Reduction Registry
- Protect and Provide Transferable Credits for Emissions Reduction
- Implement a Comprehensive Range of New and Expanded Domestic Emissions Reduction Incentives
- Promote New and Expanded International Policies to Complement Our Domestic Program
- **Take Action on Science and Technology Initiatives**

Global Climate Change Initiative

Climate Change Science and Technology

- New management structure to advance climate change science and technology research
- President's FY 2003 budget proposal
 - \$1.7 billion for research on climate and global change
 - \$1.3 billion for research on advanced energy and sequestration technologies
- FY 2003 budget proposal includes new funding for:
 - Climate Change Research Initiative (CCRI) - \$40M
 - National Climate Change Technology Initiative (NCCTI) - \$40M

Climate Science and Technology Management Structure

Office of the President
Climate Change Policy and
Program Review by NSC, DPC, NEC

Committee on Climate Change Science and Technology Integration

Chair: Secretary of Commerce* Vice Chair: Secretary of Energy*

Executive Director: OSTP Director

Secretary of State

Secretary of Agriculture

EPA Administrator

OMB Director

NEC Director

NASA Administrator

Secretary of the Interior

Secretary of HHS

Secretary of Transportation

Secretary of Defense

CEQ Chairman

NSF Director

Interagency Working Group on **Climate Change Science and Technology**

Chair: Deputy/Under Secretary of Energy*

Vice Chair: Deputy/Under Secretary of Commerce*

Secretary: OSTP Associate Director for Science

Members DS/US Level:

CEQ, DOD, DOI, DOS, DOT, EPA,

HHS, NASA, NEC, NSF, OMB, USDA

International **Activities**

(Incl. Task Force on
International Energy
Cooperation)

DOS, DOE, USAID
and Other Agencies

Climate Change Science Program

Director: Assistant Secretary of Commerce
for Oceans and Atmosphere

Members: DOC, DOD, DOE, DOI, DOS, DOT, EPA,
HHS, NASA, NSF, OMB, OSTP, Smithsonian, USAID,
USDA

Climate Change Technology Program

Director: Assistant Secretary of Energy
for Energy Efficiency and Renewable Energy

Members: DOC, DOD, DOE, DOI, DOS, DOT, EPA,
HHS, NASA, NSF, OMB, OSTP, USAID, USDA

*Chair and Vice Chair of Committee and Working Group rotate annually

Climate Change Science Program

Purpose

- Consolidated interagency management of the:
 - U.S. Global Change Research Program (USGCRP)
 - Climate Change Research Initiative (CCRI)
- Ensures consistency of the focused CCRI studies within the larger body of climate and global change research conducted by the USGCRP and other supporting programs.

Climate Change Science Program

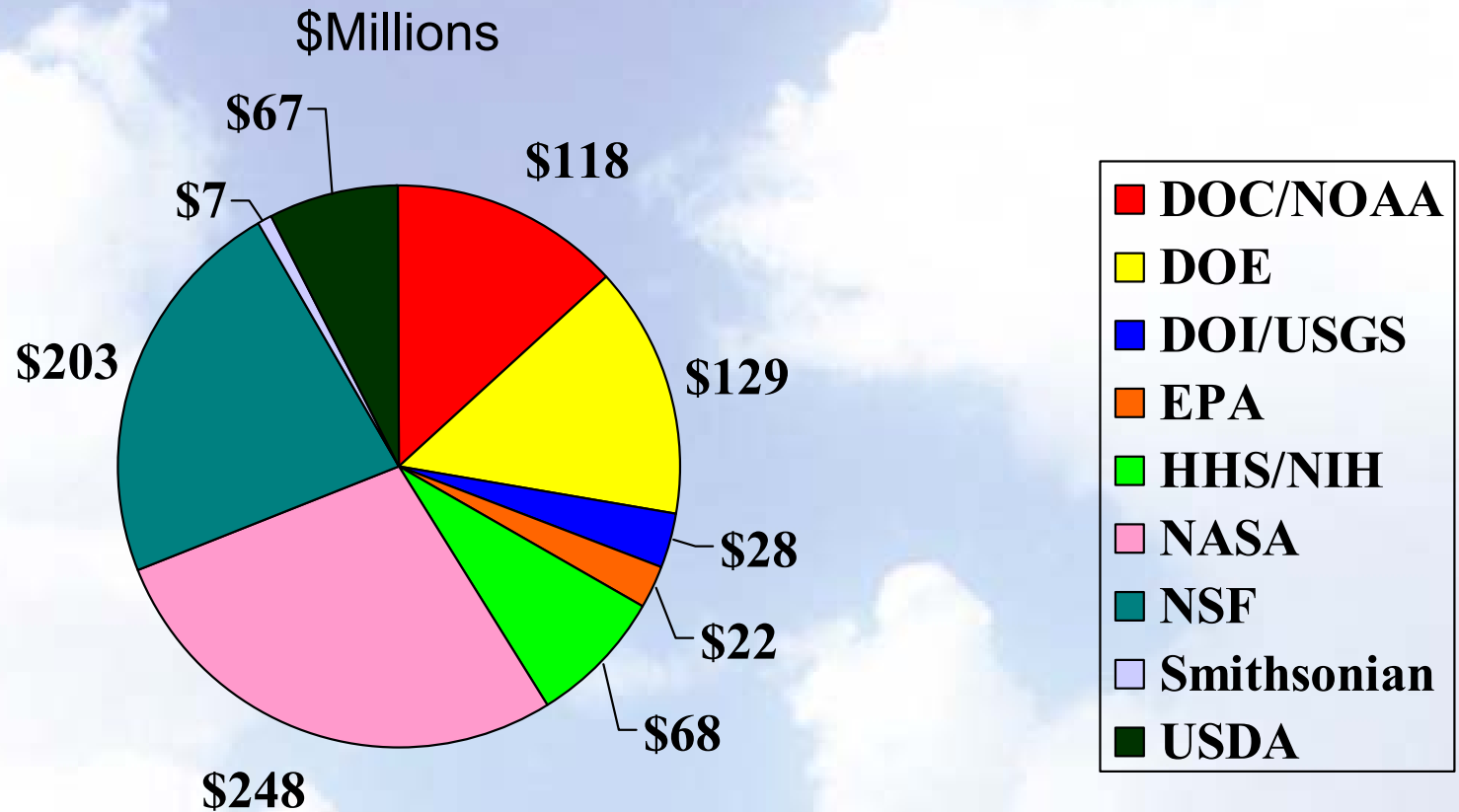
Participating Agencies

Director: DOC/NOAA

- Department of Agriculture
- Department of Commerce
- Department of Defense
- Department of Energy
- Department of Health and Human Services
- Department of the Interior
- Department of State
- Department of Transportation
- Environmental Protection Agency
- National Aeronautics and Space Administration
- National Science Foundation
- Smithsonian Institution
- U.S. Agency for International Development

Climate Change Science Program

FY 2003 President's Scientific Research Budget -
\$868M*



* This total does not include \$864M for NASA Space-Based Observations and Data Systems

Climate Change Science Program

USGCRP

History

- Established by Global Change Research Act of 1990
- *“a period of discovery and characterization”*

Funding

FY 2003 - \$1.7 billion

Focus

- Atmospheric Composition
- Climate Variability and Change
- Ecosystems
- Global Carbon Cycle
- Global Water Cycle
- Human Contributions and Responses
- Land Use/Land Cover

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CCRI

History

- Initiated in FY 2002
- *“a period of comparative analysis of response strategies”*

Funding

FY 2003 - \$40 million

Focus

- Key emerging science areas from on-going USGCRP research
- Climate quality observations, monitoring, and data management
- Decision-support resources

Emphasizes performance metrics and tracking of deliverables

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Strategic Plan

- Fully updated strategic plan for U.S. global change research is under development
- First comprehensive update to the strategic plan for the USGCRP (and CCRI) since the original plan
- Draft will be made available for public comment by mid-November
- Comprehensive review by the scientific community, interested stakeholders, the general public, and interested international specialists at the ***U.S. Climate Change Science Program Workshop for Scientists and Stakeholders***

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Workshop for Scientists and Stakeholders

- The ***U.S. Climate Change Science Program Workshop for Scientists and Stakeholders*** will be held in Washington, D.C., on 3-5 December 2002.
- The workshop will:
 - "jump start" a comprehensive review of the updated research and reporting plans for U.S. global change research;
 - focus on key unresolved scientific issues, plans for needed global climate and ecosystem monitoring systems, and plans to develop and demonstrate decision support resources to facilitate public discussion about climate change issues; and
 - review plans and schedules for future USGCRP/CCRI reports on specific findings.